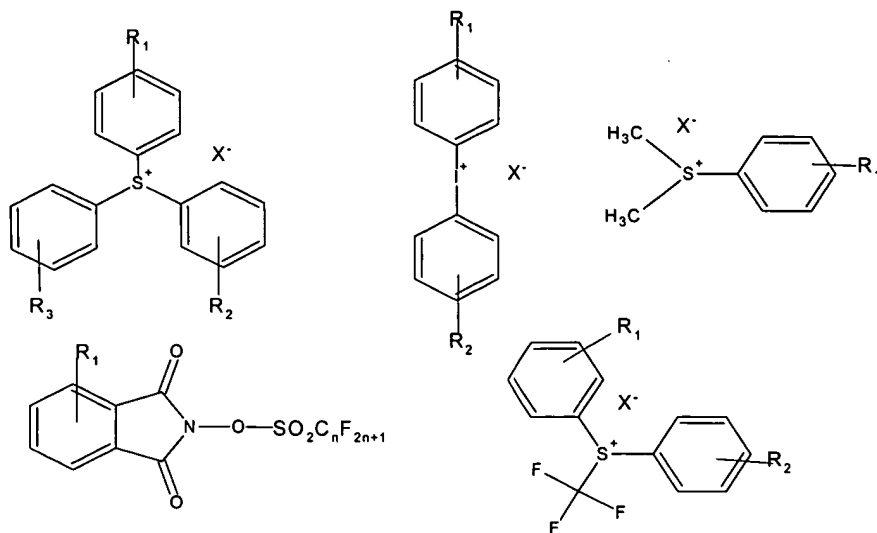


where, in Figure 1, R_1 - R_7 are independently H, F, (C_1-C_8) alkyl, (C_1-C_8) fluoroalkyl, substituted or unsubstituted hydrocarbyl group, etc., but at least one of R_1 - R_6 has the pendant bisester-adamantyl functionality described in structure 1.

Figure 1: Generic structures for the norbornene-based monomer



R_1, R_2, R_3 are independently alkyl, fluoroalkyl, F, OC_nH_{2n+1} , OC_nF_{2n+1} , CO_2 -tert-Bu, OCH_2-CO_2 -tert-Bu $n=1-4$, OCH_2OCH_3

X^- = Anion of non-nucleophilic strong acid eg $^-OSO_2C_nF_{2n+1}$; AsF_6^- , SbF_6^- , $^-N(SO_2C_nF_{2n+1})_2$; $^-C(SO_2C_nF_{2n+1})_3$

Figure 2: Examples of Photoactive Compounds

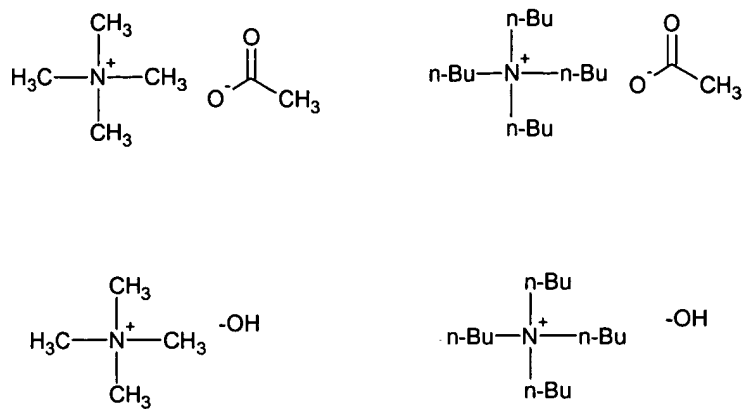


Figure 3: Examples of suitable ammonium bases.